

Asphalt Paving Mixture and Block Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
324121, Asphalt paving mixture and block manufacturing	2002..	510	1 354	15 349	620 791	11 308	20 760	437 896	2 778 496	4 660 767	7 412 350	'302 879
	2001..	N	N	13 364	534 546	10 181	20 608	382 904	2 368 292	4 090 979	6 486 095	245 658
	2000..	N	N	12 983	527 236	10 033	21 126	379 536	2 189 346	4 288 699	6 454 655	281 277
	1999..	N	N	13 188	532 740	10 059	21 821	385 767	2 131 633	3 775 453	5 896 836	339 184
	1998..	N	N	14 660	572 980	10 647	22 646	387 051	2 312 588	3 989 279	6 323 135	309 843
	1997..	531	1 168	13 946	560 441	10 097	21 183	372 301	1 974 057	3 897 190	5 887 180	195 527

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
324121, Asphalt paving mixture and block manufacturing												
United States	1	1 354	189	15 349	620 791	11 308	20 760	437 896	2 778 496	4 660 767	7 412 350	'302 879
Alabama	—	21	3	199	8 129	125	288	4 435	46 751	97 399	142 150	'2 986
California	1	131	13	1 335	67 832	960	1 782	46 939	392 157	638 103	1 030 846	'21 706
Colorado	—	10	2	208	9 428	151	291	6 433	31 295	112 701	142 439	'2 393
Connecticut	—	29	1	142	6 876	110	206	4 941	44 800	86 075	131 088	'1 302
Florida	1	27	8	598	23 367	383	859	13 776	91 550	122 256	213 722	'9 173
Georgia	—	44	—	260	10 410	202	421	7 734	41 521	109 034	152 056	'8 330
Illinois	—	41	10	784	28 180	564	767	21 359	100 644	181 991	276 746	'9 593
Maine	—	12	4	211	5 971	162	244	3 769	21 574	25 724	47 866	'1 458
Maryland	3	33	4	363	13 937	289	511	10 958	49 793	97 154	146 913	'9 360
Michigan	1	39	9	684	32 479	357	734	17 642	112 710	239 071	351 421	'10 953
New Jersey	—	36	5	459	20 992	362	690	16 419	92 335	146 267	238 980	'11 982
New York	1	118	19	1 353	61 109	1 000	1 918	43 462	256 995	328 533	586 704	'29 797
Ohio	2	119	14	1 078	43 783	875	1 659	33 923	208 687	312 094	514 534	'18 754
Pennsylvania	1	108	8	984	36 881	760	1 427	26 662	196 263	286 158	480 633	'41 018
South Carolina	—	15	2	177	8 251	121	271	5 704	23 853	52 659	76 482	'2 239
Texas	1	72	13	1 090	44 313	852	1 562	31 993	195 844	342 474	538 095	'13 066
Washington	1	15	2	147	5 956	114	180	4 301	26 192	45 029	69 593	'2 728
Wisconsin	—	9	2	116	4 550	59	106	2 249	11 932	28 365	39 570	'731

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
324121, Asphalt paving mixture and block manufacturing	
Companies ¹	number.. 510
All establishments ²	number.. 1 354
Establishments with 1 to 19 employees	number.. 1 165
Establishments with 20 to 99 employees	number.. 174
Establishments with 100 employees or more	number.. 15
All employees ³	number.. 15 349
Total compensation	\$1,000.. 771 094
Annual payroll	\$1,000.. 620 791
Total fringe benefits	\$1,000.. 150 303
Production workers, average for year	number.. 11 308
Production workers on March 12	number.. 9 862
Production workers on May 12	number.. 11 754
Production workers on August 12	number.. 12 140
Production workers on November 12	number.. 11 234
Production worker hours	1,000.. 20 760
Production worker wages	\$1,000.. 437 896
Total cost of materials	\$1,000.. 4 660 767
Materials, parts, containers, packaging, etc., used	\$1,000.. 4 100 079
Resales	\$1,000.. 139 384
Purchased fuels	\$1,000.. 253 351
Purchased electricity	\$1,000.. 99 068
Contract work	\$1,000.. 68 885
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 332 405
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 9 519
Total value of shipments	\$1,000.. 7 412 350
Primary products value of shipments	\$1,000.. 6 863 909
Secondary products value of shipments	\$1,000.. 300 143
Total miscellaneous receipts	\$1,000.. 248 298
Value of resales	\$1,000.. 154 888
Contract receipts	\$1,000.. 29 756
Other miscellaneous receipts	\$1,000.. 63 654
Primary products specialization ratio	percent.. 96
Value of primary products shipments made in all industries	\$1,000.. 7 145 622
Value of primary products shipments made in this industry	\$1,000.. 6 863 909
Value of primary products shipments made in other industries	\$1,000.. 281 713
Coverage ratio	percent.. 96
Value added	\$1,000.. 2 778 496
Total inventories, beginning of year	\$1,000.. 351 468
Finished goods inventories	\$1,000.. 137 385
Work-in-process inventories	\$1,000.. 14 208
Materials and supplies inventories	\$1,000.. 199 875
Total inventories, end of year	\$1,000.. 358 285
Finished goods inventories	\$1,000.. 151 125
Work-in-process inventories	\$1,000.. 27 381
Materials and supplies inventories	\$1,000.. 179 779
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '2 933 609
Total capital expenditures (new and used)	\$1,000.. '302 879
Buildings and other structures (new and used)	\$1,000.. '34 643
Machinery and equipment (new and used)	\$1,000.. '268 236
Automobiles, trucks, etc., for highway use	\$1,000.. '20 177
Computers and peripheral data processing equipment	\$1,000.. '10 347
All other expenditures for machinery and equipment	\$1,000.. '237 712
Total retirements	\$1,000.. '143 861
Gross value of depreciable assets at end of year	\$1,000.. '3 092 627
Depreciation charges during year	\$1,000.. '195 288
Total rental payments	\$1,000.. 129 917
Buildings and other structures	\$1,000.. 42 934
Machinery and equipment	\$1,000.. 86 983
Total other expenses ⁴	\$1,000.. 303 652
Response coverage ratio ⁵	percent.. 75
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 80 422
Communications services ⁴	\$1,000.. 12 920
Legal services ⁴	\$1,000.. 3 769
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 930
Advertising and promotional services ⁴	\$1,000.. 1 743
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 883
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 001
Management consulting and administrative services ⁴	\$1,000.. 8 514
Taxes and license fees ⁴	\$1,000.. 13 661
All other expenses ⁴	\$1,000.. 150 448

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
324121, Asphalt paving mixture and block manufacturing											
All establishments	1	1 354	15 349	620 791	11 308	20 760	437 896	2 778 496	4 660 767	7 412 350	'302 879
Establishments with—											
1 to 4 employees	1	635	1 712	76 035	1 355	2 687	60 676	453 041	976 179	1 431 392	'46 691
5 to 9 employees	1	353	2 337	100 939	1 815	3 526	75 756	616 031	1 237 381	1 847 710	'77 529
10 to 19 employees	1	177	2 383	95 558	1 816	3 337	68 781	506 414	841 280	1 338 311	'44 166
20 to 49 employees	1	134	4 096	159 696	3 091	5 721	110 377	623 293	891 501	1 503 282	'58 166
50 to 99 employees	—	40	2 626	100 209	1 952	3 384	70 387	330 275	430 123	758 890	'61 641
100 to 249 employees	—	13	g	D	D	D	D	D	D	D	D
250 to 499 employees	—	2	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	138	386	16 499	302	594	12 368	46 517	101 817	148 290	'3 543

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
324121	Asphalt paving mixture and block manufacturing	1 354	15 349	620 791	11 308	20 760	437 896	2 778 496	4 660 767	7 412 350	'302 879
3241210	Asphalt paving mixtures and blocks .	1 354	15 349	620 791	11 308	20 760	437 896	2 778 496	4 660 767	7 412 350	'302 879

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
324121	Asphalt paving mixture and block manufacturing	2002.. N	X	X	7 145 622
	1997.. N		X	X	5 561 898
3241210	Asphalt paving mixtures and blocks	2002.. N	X	X	7 145 622
	1997.. N		X	X	5 561 898
32412101	Asphalt paving mixtures and blocks	2002.. N	X	X	6 120 751
	1997.. N		X	X	4 275 524
3241210111	Emulsified asphalt, including liquid additives	2002.. 107	X	X	1 149 913
	1997.. 83		X	X	790 945
3241210121	Other liquid asphalt and tar paving materials, including cut-backs	2002.. 43	X	X	288 539
	1997.. 39		X	X	390 519
3241210131	Asphalt and tar paving mixtures (excluding liquid), including bituminous or asphaltic concrete, and asphaltic paving cements	2002.. 273	X	X	4 580 454
	1997.. 313		X	X	3 020 060
3241210141	Other asphalt paving mixtures, excluding brick, concrete, granite, or stone	2002.. 22	X	X	101 845
	1997.. 18		X	X	74 000
3241210Y	Asphalt paving mixtures and blocks, nsk, total	2002.. N	X	X	1 024 871
	1997.. N		X	X	1 286 374
3241210YWW	Asphalt paving mixtures and blocks, nsk, for nonadministrative-record establishments	2002.. N	X	X	876 086
	1997.. N		X	X	1 058 996
3241210YWY	Asphalt paving mixtures and blocks, nsk, for administrative-record establishments	2002.. N	X	X	148 785
	1997.. N		X	X	227 378

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
324121	Asphalt paving mixture and block manufacturing		
00900001	Total materials	X	4 100 079
32799203	Roofing granules 1,000 s tons	X	3 431 538
32721205	Glass fiber (textile type, bonded mat type, etc.) mil lb	D	D
	..... 1997 ..	S	5 337
	..... 2002 ..	D	D
	..... 1997 ..	.1	445
32411025	Asphalts, paving grade mil bbl	S	1 753 287
32411027	Asphalts, roofing grade mil bbl	S	1 282 117
32411029	Asphalts (excluding paving and roofing grades) mil bbl	S	8 299
	..... 1997 ..	.5	9 949
	..... 2002 ..	S	59 037
	..... 1997 ..	S	44 326
21232003	Sand and gravel 1,000 s tons	S	825 338
00970099	All other materials and components, parts, containers, and supplies	S	702 613
00971000	Materials, ingredients, containers, and supplies, nsk	X	684 901
	..... 1997 ..	X	423 838
	..... 2002 ..	X	768 494
	..... 1997 ..	X	962 913

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.